## Pharos Repeat

Pharos Repeat is a convenient DMX512 splitter / repeater with four output ports compatible with the RDM standard to provide DMX distribution to luminaires. The incoming isolated DMX signal from your controller is regenerated four times on isolated, self-healing ports for distribution to your fixtures. DMX splitters are an essential requirement for most control systems, allowing multiple separate cable runs from a single DMX output and ensuring electrical isolation. This DIN rail mount repeater with install-friendly connectors requires a power supply in the range of 9 to 48V DC. Compatible with Pharos Designer and Pharos Express systems.

## Pharos Repeat Features

### Installer Friendly

Made for permanent installation, with installer-friendly 0.200" (5.08mm) plug-in rising clamp terminals, flexible power requirements from 9 to 48V DC, and easy DIN rail and keyhole mounting options.

### Four Port Outputs

Repeats a DMX signal to 4 outputs, each allowing for 32 DMX devices to be connected.

### Isolation

Each input and output port is independently galvanically isolated, ensuring the control circuitry and each port of the Repeat is protected against a multitude of electrical line faults, including earth potential rise and ground loops.

### RDM

Supports the Remote Device Management protocol (ANSI E1.20) allowing devices connected to any of the four outputs to be discovered and to communicate back to controllers over the DMX link.

### Protection

Repeat is equipped with four self-healing DMX ports, giving your equipment added protection from unwanted energy, such as miswiring, short circuits, and surge events caused by lightning. Should a fault occur, it will be contained by the Repeat, preventing it from flowing into other components in the system; once the external fault is cleared, the ports "self-heal", restoring DMX output automatically.

### Reliability

Made for permanent installation and designed for 24/7 operation and reliability.

© 2004-2026 Pharos Architectural Controls Limited.
Specifications subject to change without notice.

## Interfaces

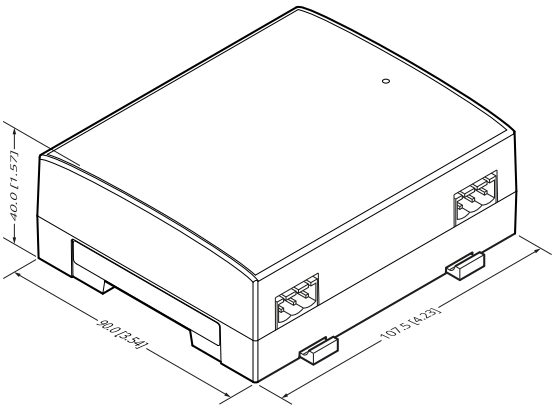
| | |
|---|---|
| **DMX/RDM input** | DMX512 port * (ANSI E1.11-2024), RDM compatible |
| **DMX/RDM outputs** | Four DMX512 ports * (ANSI E1.11-2024), RDM compatible |

## Order Code & Variants

| | |
|---|---|
| **PAC R** | Pharos Repeat (DMX Splitter with 1 in, 4 out, 24V DC) |

## Specifications

| | |
|---|---|
| **Power** | 9-48V DC * (4W typical) |
| **Temperature** | 0°C to 50°C (32°F to 122°F) |
| **Humidity** | 10-90% relative, non-condensing |
| **Ingress** | IP40 |
| **Protection** | Self-healing ports can withstand continuous AC voltage up to 300V or peak impulse voltage up to 650V with duration less than 10ms |
| **Isolation** | All input and output ports independently galvanically (capacitive) isolated.<br>Isolation protection of 2500VRMS |
| **Physical** | 6 unit wide DIN rail mounting enclosure (35/7.5 rail)<br>10.8 x 9 x 4 cm (4.2 x 3.5 x 1.6 in)<br>0.2 kg (0.5 lbs) |
| **Shipping** | 19.5 x 15 x 7.5 cm (8 x 6 x 3 in)<br>0.4 kg (0.9 lbs) |
| **Reset** | Recessed reset button |




## Warranty & Certifications

Designed and manufactured in the UK, with a 5-year warranty, where quality and reliability are our top priority.

| | |
|---|---|
| **Warranty** | 5 years |
| **Certifications** | CE compliant, UKCA compliant, UL/cUL listed. |

* Install-friendly 0.200" (5.08mm) plug in rising clamp connectors (included)

PACR26002

© 2004-2026 Pharos Architectural Controls Limited.
Specifications subject to change without notice.